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NEW SPECIES OF HETEROCERA FROM TROPICAL AMERICA.

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CASTNIIDÆ.

Castnia gramivora, sp. nov.

Body light brown above, whitish underneath; the patagiæ iridescent olivaceous green. Primaries light brown, somewhat olivaceous at the base and along the inner margin; on the outer half of the wing a large semi-diaphanous space, not reaching the margins and crossed by brown veins, also interrupted anteriorly by a large brown spot extending from the costal margin. Secondaries brown, reddish at the base; a terminal row of reddish brown spots on the outer margin, preceded by a large semi-diaphanous space. Underneath the wings are much paler. Expanse, 64 mm.

Habitat: São Paulo, S. E. Brazil.

This species was discovered by E. D. Jones, Esq., who tells me that it is found flying in the grasses after the manner of certain Noctuidæ.

Castnia corrupta, sp. nov.

Entirely dark brown, changing to dark metallic green in certain lights; the anus orange red. At the anal angle of the secondaries a red spot adjoining some creamy white clusters of scales which extend towards the center of the wing. Underneath the wings are powdered with reddish scales, forming an indistinct terminal band on the primaries and two more distinct bands on the secondaries. Expanse, 110 mm.

Habitat: Colombia.

Castnia veraguana *Wtw.*

Castnia veraguana WESTWOOD, Trans. Linn. Soc. London, Ser. 2, Zool. I, p. 168, pl. 30, fig. 1; DRUCE, Biol. Centr. Amer. Het. p. 24, pl. 14, fig. 4.

I have recently obtained what I believe to be the ♂ of the above species. The primaries agree very well with the type figured, only the subapical white spots are more oblique in my specimens. The secondaries differ in being velvety black with a marginal row of large red spots extending on to the fringe. Expanse, 108-130 mm.

Habitat: Colombia.

Should my description refer to a new species then I propose for it the name of *C. govara*.

AGARISTIDÆ.

Arpia, gen. nov.

Palpi short, porrect, pubescent. Antennæ long, filiform. Primaries straight on the costal margin and inner margin; the outer margin oblique in the ♂, slightly convex in the ♀; vein 6 from upper angle of cell; veins 7, 8, 9, from a point at end of small areolet. Secondaries with the neuration as in *Copidyra*s, from which this genus differs chiefly in the arrangement of veins 7, 8, 9, on the primaries.

Arpia janeira, sp. nov.

Head, thorax, and abdomen dark grey; patagiæ reddish brown. Primaries with the costa broadly greyish fawn color, separated from the outer and posterior portion of the wing, which is dark brown, by a fine white line which starts from the costa near the apex, descends obliquely below vein 4, curves upwards into the end of the cell, again descends obliquely, nearly touching a large dark brown spot, oval in shape, which occupies the base of the inner margin, and then recedes to the inner margin near the angle. Secondaries yellow with a broad black margin. Underneath yellow; the secondaries margined with dark brown; the primaries with the costa narrowly, the apex broadly brown, and a transverse broad brown band from the costa to the inner margin near the angle. Expanse, 42 mm.

Habitat: Rio Janeiro.

Phasis meridiana, sp. nov.

Head and thorax black. Abdomen yellow with a subdorsal and a lateral yellow line. Primaries black with a creamy yellow oblique band beyond the cell from the subcostal to vein 2. Secondaries bright yellow with all the margins very broadly black, limiting the yellow to a very small space. Underneath the yellow band on the primaries is wider. Expanse, 48 mm.

Habitat: Rio Paranapanema, S. Brazil.

LITHOSIIDÆ.

Mæpha coresa, sp. nov.

Head black. Collar and patagiæ golden yellow. Thorax dark grey, abdomen yellow. Primaries: basal half golden brown including a large golden yellow space from the base; beyond golden yellow with a bright carmine spot; the outer margin broadly golden brown advancing inwardly about the center and touching the carmine spot. Secondaries orange red with the fringe brown. Underneath primaries orange with the apex and outer margin brown; the secondaries yellow. Expanse, 15 mm.

Habitat: São Paulo, S. E. Brazil.

Talara rosacea, sp. nov.

Head grey, posteriorly red; collar grey, laterally red; thorax dark grey; abdomen grey, the base and anus red. Primaries pink, the inner margin broadly dark grey. Secondaries red. Underneath red, the inner margin on the primaries narrowly grey. Expanse, 17 mm.

Habitat: São Paulo, S. E. Brazil.

Talara grisea, sp. nov.

Head and thorax grey; abdomen red. Primaries dark grey. Secondaries white; the apex and outer margin greyish. Underneath the same. Expanse, 18 mm.

Habitat: São Paulo, S. E. Brazil.

Talara ruficollis, sp. nov.

Head and body greyish black, collar reddish. Primaries greyish black. Secondaries dull black. Expanse 18 mm.

Habitat: São Paulo, S. E. Brazil.

Talara domina, sp. nov.

Head and thorax dark grey. Collar and abdomen red. Primaries dark grey. Secondaries brownish grey. Expanse, 17 mm.

Habitat: São Paulo, S. E. Brazil.

Talara barema, sp. nov.

Head and thorax light grey. Abdomen pale yellow. Primaries light grey speckled with brown scales; a cluster of dark scales about the middle of the wing. Secondaries pale yellow. Underneath pale yellow, the disc and costa of the primaries brownish. Expanse, 16 mm.

Habitat: São Paulo, S. E. Brazil.

Talara obscura, sp. nov.

Body black. Primaries glossy black with a faint greenish tinge. Secondaries dark brown. Expanse, 17 mm.

Habitat: São Paulo, Rio Janeiro.

Talara bombycia, sp. nov.

Body greyish brown. Primaries light grey, shaded with brown at the base, along the costa and on the outer margin near the apex and inner angle; a dentate white line crosses the wing at a third from the base, and there is a curved white line beyond the cell from the costal to the inner margin. Secondaries smoky brown. Expanse, 17 mm.

Habitat: São Paulo, S. E. Brazil.

Odozana varda, sp. nov.

Head and thorax blackish. Abdomen red. Primaries dark brown glossed with violet. Secondaries with the base red to the anal angle; the apical portion and outer margin black. Expanse, 20 mm.

Habitat: São Paulo, S. E. Brazil.

Odozana olivacea, sp. nov.

Head and thorax brownish green. Collar yellow. Abdomen red. Primaries glossy, olivaceous green. Secondaries red; the costal and outer margins narrowly black, the apex broadly black. Underneath the primaries are black. Expanse, 20 mm.

Habitat: São Paulo, S. E. Brazil.

Odozana pascuala, sp. nov.

Head and thorax brownish grey. Collar yellow. Abdomen orange red. Primaries brownish grey. Secondaries crimson, the costal margin yellowish, the outer margin black, the median vein black. Underneath primaries black, the costal half at the base red. Secondaries orange with black outer margin. Expanse, 18 mm.

Habitat: São Paulo, S. E. Brazil.

Odozana cuprea, sp. nov.

Head black. Thorax coppery brown. Abdomen with the basal half fawn color, the anal half red. Primaries coppery brown. Secondaries pale reddish yellow, a large brownish space at the apex. Expanse, 22 mm.

Habitat: São Paulo, S. E. Brazil.

Odozana margina, sp. nov.

Head and thorax grey. Collar and patagiæ dorsally red. Abdomen red. Primaries glossy brown, the inner margin yellow. Secondaries red, the outer margin black. Expanse, 16 mm.

Habitat: São Paulo, S. E. Brazil.

Nodoza, gen. nov.

Differs from *Odozana* in having the ♂ antennæ deeply pectinated and the anal angle of the secondaries much prolonged.

Nodoza tristis, sp. nov.

Head, thorax and primaries chocolate brown. Abdomen blackish. Secondaries brown, slightly hyaline at the base; a dark spot at the end of the cell. Expanse, 22 mm.

Habitat: São Paulo, S. E. Brazil.

Zonoda, gen. nov.

Allied to *Odozana*, but the ♂ has a large tuft of hairs on the inner margin of the primaries underneath, and the secondaries have very long tufts of hairs on the inner margin, which is cleft and very prolonged.

Zanoda fasciata, sp. nov.

Head and thorax brown. Collar and patagiæ yellow. Abdomen yellow. Primaries light glossy brown; a yellow oval spot at the base of the inner margin; a broad yellow median band, sometimes divided and leaving a costal spot and one on the inner margin. Secondaries yellow, the apex and fringe black. Expanse, 23 mm.

Habitat: São Paulo, S. E. Brazil.

Zanoda dives, sp. nov.

Head and thorax coppery brown. Collar yellow. Abdomen red. Primaries coppery brown with a median transverse yellow band. Secondaries red; costal margin white, outer margin black. Expanse, 18 mm.

Habitat: São Paulo, S. E. Brazil.

Trichomelia placida, sp. nov.

Body dark grey. Primaries pale grey, all the veins finely dark. A quadrate dark spot in the cell and an outer transverse dark irregular line. Secondaries pale grey. Expanse, 22 mm.

Habitat: Castro Parana.

Allied to *T. celenna* Schs., but the secondaries much paler and the markings on the primaries different.

Trichomelia parima, sp. nov.

Dark smoky grey, the veins on the primaries finely brown; an indistinct median shade on the primaries widest on the inner margin. Expanse, 25 mm.

Habitat: São Paulo, S. E. Brazil.

Illice subfulgens, sp. nov.

Head and thorax creamy yellow. Abdomen grey. Primaries light brown iridescent; the inner margin, half of the outer margin above the angle, and a broad median shade creamy white. Secondaries grey whitish at the base. Underneath dark grey, the base of the secondaries white. Expanse, 28 mm.

Habitat: São Paulo, S. E. Brazil.

Lithosia sadima, sp. nov.

Body grey. Primaries above light silky grey, the costal margin faintly yellowish. Secondaries grey, fawn color at the base and broadly along the inner margin. Underneath blackish grey, the inner half of the secondaries fawn color. Expanse, 28 mm.

Habitat: Castro Parana.

Crambidia parvita, sp. nov.

Entirely pure dull white. Expanse, 18 mm.

Habitat: São Paulo, S. E. Brazil.

NOLINÆ.

Calligenia marmorata, sp. nov.

Head and collar white. Thorax and abdomen fawn color. Primaries white; a transverse brown line at the base, then a lunular steel grey spot connected with the costal margin by a brown spot; a third brown spot from the costal margin to the cell; on the inner margin a large oval brown spot anteriorly shaded with grey; two brown blotches above the outer portion of the oval spot and between it and the costal margin; a subterminal brown band and a minute brown spot on the apex. Secondaries white, with a narrow brown outer margin. Expanse, 17 mm.

Habitat: Castro Parana.

Calligenia erminea, sp. nov.

Body white. Primaries white; an indistinct brownish median line; four minute dark spots on the costa; from the inner angle to below the apex on the outer margin a lunate spot, mottled grey and white; on the extreme outer margin some

minute brown spots. Secondaries white, the outer margin black. Underneath white; on the primaries a broad subterminal blackish shade, projecting about its center to the outer margin; the costa smoky. Secondaries with a black outer margin. Expanse, 14 mm.

Habitat: São Paulo, S. E. Brazil.

Nola panthera, sp. nov.

Head and thorax white. Abdomen grey. Primaries white with four rows of small black spots; a black spot in the cell between rows 2 and 3, and another between rows 3 and 4. Three submarginal spots, one on the costa, one near the inner angle and another about the middle of the outer margin; a terminal row of black points. Secondaries whitish, slightly grey along the outer margin. Expanse, 20 mm.

Habitat: São Paulo, S. E. Brazil.

Nola hermana, sp. nov.

Head brown. Collar grey edged with brown. Abdomen grey. Primaries grey; a large triangular brown space occupying the basal half of the costal margin; a double outer fine black line, forming a prolonged curve at veins 3 and 4; the grey portion of the wing minutely speckled with brown. Secondaries pale brownish grey. Expanse, ♀ 23 mm.

Habitat: São Paulo, S. E. Brazil.

Allied to *N. terulosa* Druce.

Nola rodea, sp. nov.

Head and thorax grey. Abdomen pale brown. Primaries grey; a brown spot on the costa at the base and a broad median brown shade from the costa to the inner margin; a fine blackish basal and outer line; a subterminal dark grey shade and some minute brown terminal spots. Secondaries whitish, the apex broadly grey. Expanse, 22 mm.

Habitat: São Paulo, S. E. Brazil.

Nola garuba, sp. nov.

Head and thorax light grey. Abdomen pale brown. Primaries whitish; on the costa, a basal and a median dark brown spot; a fine dark curved outer line, most distinctly marked on the inner margin; a subterminal and a terminal grey shade. Secondaries greyish brown. Expanse, 20 mm.

Habitat: Castro, Parana.

Allied to *N. sexmaculata* Grote.

Nola divisa, sp. nov.

Body cream color. Primaries with the basal half creamy white, shaded with brown; three round tufts of raised scales in the cell; outer half grey, thickly speckled with black, so the outer and subterminal lines are very indistinct; the apex tinged with white. Secondaries white. Expanse, 19 mm.

Habitat: Castro, Parana.

Nola arana, sp. nov.

Head white, frons brown. Collar and thorax pale brown speckled with black and dark brown scales. Abdomen light brown. Primaries fawn color speckled with

yellowish scales; the costa also speckled with black and dark green scales; near the base of the cell a large cluster of greenish black scales and an oblique mark of similar scales from the costa subapically; the apex whitish; two round tufts of raised scales in the cell; a faint submarginal brownish shade. Secondaries greyish brown; a minute spot in the cell. Expanse, 22 mm.

Habitat: São Paulo, S. E. Brazil.

Nola natama, sp. nov.

Head and thorax white. Abdomen cream color. Primaries white on the basal half and at the apex; some olive shadings along the costa; the outer line formed of minute clusters of velvety black scales, heavily shaded on either side with brown and yellowish scales. Secondaries dark grey. Expanse, 18 mm.

Habitat: São Paulo, S. E. Brazil.

Nola solvita, sp. nov.

Body dark grey. Primaries whitish grey, thickly speckled with brown and black scales, giving the wings a dark appearance; an indistinct basal and outer line; a faint median shade and another, subterminal; fringe brown. Secondaries smoky grey. Expanse, 17 mm.

Habitat: Castro Parana.

LYMANTRIIDÆ.

Orgyia falcata, sp. nov.

Body grey. Primaries with the basal third brownish grey, limited by a wavy dark brown line and crossed at the base by a similar line which does not reach the inner margin; the rest of the wing grey with a curved lunular line beyond the cell enclosing toward the costal margin, a large smoky space; at the end of the cell a small brownish spot, a subterminal brown shade streaked with dark brown near the apex; a terminal brown line; fringe pale at the base, dark terminally. Secondaries brownish grey with the fringe as on the primaries. Expanse, 28 mm.

Habitat: Jalapa, Mexico.

This species is allied to *O. leucostigma* S. & A., but the primaries are somewhat produced at the apex.

CYLOPODIDÆ.

Rhosus unipuncta, sp. nov.

Body dark brown, anus orange. Primaries very dark velvety brown, thinly speckled with greyish scales; a large oblique white spot beyond the cell; fringe light brown. Secondaries dark brown, fringe mottled white and brown. Underneath dark brown, the primaries with a white discal spot and the apex narrowly white; secondaries with two white lines from the base, fringe white. Expanse, 37 mm.

Habitat: São Paulo, S. E. Brazil.

Scotura nervosa, sp. nov.

Head orange; body grey. Primaries grey, all the veins whitish. Secondaries white with all the margins broadly steel grey. Expanse, 30 mm.

Habitat: Aroa, Venezuela.

Allied to *Scotura venata* Butl.

Ephialtias tryma, sp. nov.

Body black above; abdomen underneath white. Legs black above, white underneath. Wings black; on the primaries a broad oblique yellow band on the outer half from the subcostal to the submedian vein. Expanse, 26 mm.

Habitat: Trinidad, B. W. I.

CERATOCAMPIDÆ.

Eacles masoni, sp. nov.

Head and collar yellow. Thorax reddish brown. Body yellow, somewhat reddish subdorsally. Primaries yellow, so thickly covered with reddish brown scales and still darker transverse striæ, that the yellow is only conspicuous at the apex on the costal margin, and near the inner angle on the outer side of the subterminal line, which is dark, straight and rather closer to the outer margin than in the other described species; the basal line is broad, slightly wavy and hardly apparent in the general dark tone of the wing; in the cell two indistinct dark spots; the outer margin at its center suffused with lilacine scales. Secondaries yellow; a large reddish brown space along the inner margin at the base; the discal spot reddish brown with some central whitish scales; a straight transverse dark line from the apex to the inner margin at two thirds from the base; this line outwardly bordered with yellow chiefly towards the angle; the outer margin otherwise dark reddish brown. Expanse, ♂ 118 mm.

Habitat: Orizaba, Mexico.

It affords me great pleasure to name this fine species after my good friend, J. T. Mason, Esq., of Denver, Colorado, whose discovery of *E. imperialis*, var. *nobilis* was not recognized by Mr. Neumoegen when describing it. I may here mention that I captured in April at Orizaba a fine ♂ of *Eacles Ormondei* Schs., which was originally described from a ♀ specimen. The two sexes scarcely differ.

PSYCHIDÆ.

Oiketicus jonesi, sp. nov.

Entirely lilacine grey without any markings. Expanse, ♂ 42 mm.

Habitat: São Paulo, S. E. Brazil.